

From: [Trey Driscoll](#)
To: [Bennett, Jim](#); [Jill Weinberger](#)
Cc: [Steve Dickey](#); [Gungle, Ashley](#); [Fogg, Mindy](#); [Patrick Brown \(patrick.brown@soitec.com\)](#); [RRWATERMAN@stoel.com](#); [Hingtgen, Robert J](#)
Subject: RE: Pine Valley Cumulative Groundwater Study
Date: Friday, September 27, 2013 12:33:01 PM

Jim,

Below is the Draft Project Description you requested.

Project Description: Pine Valley Mutual Water Company

Rough Acres Water Company, Inc. (Rough Acres) proposes purchasing up to 16 acre feet of water from the Pine Valley Mutual Water Company (PVMWC) for use during the construction phase of the Rugged Solar Farm Project (Project). The PVMWC owns and operates 10 water supply wells that serve approximately 675 residences and 20 commercial entities in and around Pine Valley, California. Wells No 1 and No 10 are the primary production wells, supplying approximately 77% of the total water produced by the PVMWC well field. The other wells in the well field are rotated into service on an as needed basis.

The PVMWC has agreed to dedicate well No 5 to the Project for the 60 day peak construction period. Based on the past performance of this well and the anticipated total demand on the well field, the PVMWC anticipates being able to supply up to 16 acre feet from this well over the 60 day period. Wells No 1 and 10 will continue to supply the bulk of the water to the PVMWC customer base and the remaining wells will continue to be used as needed to meet any additional demand during the 60 days that well No 5 will be dedicated to the project.

Let me know if you have any questions or require further clarification with this Draft Project Description.

Cheers,

Trey

TREY DRISCOLL, PG #8511, CHG #936
SENIOR HYDROGEOLOGIST

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From: Bennett, Jim [mailto:Jim.Bennett@sdcounty.ca.gov]
Sent: Friday, September 27, 2013 8:45 AM
To: Jill Weinberger
Cc: Trey Driscoll; Steve Dickey; Gungle, Ashley; Fogg, Mindy; Patrick Brown (patrick.brown@soitec.com); RRWATERMAN@stoel.com; Hingtgen, Robert J
Subject: RE: Pine Valley Cumulative Groundwater Study

Good Morning Jill,

I'm glad to hear DUDEK is busy planning for a groundwater investigation. Before proceeding with the groundwater study for Pine Valley, wait for a scope of work from the County. I've been working on this over the past few days.

To aid in my scoping, I need from you by noon a project description of your current groundwater proposal for Pine Valley.

With the scope of work, I will provide all necessary direction along with all necessary items to complete your work. You will not have to perform the backup work for the water balance analysis as I have the spreadsheets for the PV study we did a few years back. It's just a matter of changing the water demands. This will greatly reduce your scope of creating the water balance analysis from scratch. I will create all the scenarios with updated water demands (including the vineyard, other development) you need to analyze within your report.

Thank you,

Jim Bennett, P.G. #7707, CHG#854
Groundwater Geologist

County of San Diego

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From: Jill Weinberger [<mailto:Jweinberger@dudek.com>]
Sent: Thursday, September 26, 2013 3:51 PM
To: Bennett, Jim
Cc: Trey Driscoll; Steve Dickey
Subject: Pine Valley Cumulative Groundwater Study

Hi Jim,

We are putting together a groundwater investigation report for the Pine Valley area to assess the impacts of pumping for the Rugged Solar project. I have a couple of requests from you. First, could you send over the synthetic precipitation data you put together for the County's study? We would like to use that for our analysis as well. Second, could you let me know the additional development that has occurred in the Pine Valley area since the County's study was published. You mentioned that there is a new vineyard. Where is it? Is there any other new development we should factor in to the analysis?

Thanks,
Jill

JILL WEINBERGER, Ph.D., P.G.
ASSOCIATE GEOLOGIST

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